



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

K-1970

1651  
K8A  
DB  
12/3/02

Applicant : Takahiro Imada et al.  
Title : SYMBIOTIC FUNGUS  
Serial No. : 09/824,590  
Filed : April 3, 2001  
Group Art Unit : 1651  
Examiner : Irene Marx

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TECH CENTER 1600/2900

Hon. Director of Patents and Trademarks  
Washington, D. C. 20231

November 22, 2002

AMENDMENT

Sir:

In response to the Office Action of August 29, 2002, please amend the application, as follows:

IN THE SPECIFICATION

Delete paragraph 0003, and add, as follows:

A1  
[0003] A symbiotic fungus, i.e. an endophyte, is a filamentous fungus which lives in plant tissue, and it is known that the plants infected by such filamentous fungus have improved resistance to pests, resistance to disease, better growth rate, and resistance to environmental stresses such as heat and dryness, as compared with individuals which are not so infected. Thus, artificial infection with an endophyte leads to an improvement of plant characteristics.

Delete paragraph 0014, and add, as follows:

AJ B2  
[0014] According to one aspect of this invention, there is provided a symbiotic fungus comprising a filamentous fungus whose final metabolic product is chanoclavine. The symbiotic fungus meant here may belong to the genus *Neotyphodium*. The symbiotic fungus may also be one, two or more types of fungi deposited at the Japanese National